What Is Claimed Is:

1	1. A method for increasing image resolution in a paim print scanner,
2	comprising the steps of:
3	(1) synchronizing a nutating mirror with a camera frame sync;
4	(2) scanning a frame of an image at a first nutation position;
5	(3) positioning the nutating mirror by a fraction of a pixel amount in
6	one direction to obtain a next nutation position;
7	(4) scanning the frame of another image at the next nutation position;
8	(5) repeating steps (3) and (4) until an image is obtained for each
9	nutation position needed; and
10	(6) mapping sub-pixels from each of the images obtained in steps (2),
11	(4), and (5) to an image of pixels having a higher resolution than the
12	respective images of sub-pixels.
1	2. The method of claim 1, wherein step (6) comprises the steps of:
2	(a) gathering each image of sub-pixels from memory;
3	(b) allocating memory for the higher resolution image;
4	(c) mapping sub-pixels from the first nutation position image onto the
5	higher resolution image; and
6	(d) interlacing sub-pixels from each of the images obtained in steps
7	(4) and (5) onto the higher resolution image.
1	3. A palm print imaging system, comprising:
2	a light emitting diode (LED);
3	an illuminator mirror;
4	a condenser lens;
5	a conformable prism, wherein said LED, said illuminator mirror, and said
6	condenser lens provide color illumination to said conformable prism to obtain an
7	image reflected from said conformable platen;

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8	a plurality of mirrors;
9	a nutating mirror, wherein said plurality of mirrors direct said image to
10	said nutating mirror;
11	a driver for controlling said nutating mirror; and
12	a camera for capturing said image,
13	wherein said camera provides signals to said driver to synchronize said
14	nutating mirror with camera frame syncs.

- 4. The system of claim 3, wherein said conformable prism is spring loaded.
- 5. The system of claim 3, wherein said conformable prism is used as a palm platen.
- 6. The system of claim 3, wherein said nutating mirror is repositioned to obtain a plurality of images, wherein said plurality of images are used in an interlacing recombining scheme to obtain a higher resolution image.
- 7. The system of claim 3, wherein said nutating mirror is two-dimensional and programmable to allow movement in two different axial directions.
- 1 8. The system of claim 3, wherein said conformable prism is comprised of a silicone pad.